

DOCKET: CU-4822

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Christophe CHAILLOU et al.

TITLE: ISOTONIC INTERFACE WHICH IS USED TO CONTROL A REAL
OR VIRTUAL OBJECT

THE COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDED ABSTRACT

~~The present invention relates to an~~ An isotonic interface ~~[[(1)]]~~ for controlling a real or virtual object. ~~According to the invention, the~~ The interface ~~comprises:~~ includes support means for supporting three pivot shafts ~~(3, 4, 5)~~, the axes ~~(A, B)~~ of the first and second shafts being mutually parallel and perpendicular to the axis ~~[[(C)]]~~ of the third shaft; handle means ~~[[(6)]]~~ enabling each of said shafts ~~(3, 4, 5)~~ to be pivoted; and measurement means ~~[[(7)]]~~ for measuring the displacement of each of said shafts so as to enable a real or virtual object to be controlled in three degrees of freedom.